

Steel

Work Order ID 135011

July 24, 2015 7:53:17 AM

135011

Page 1

Item ID: D139-799-015

Accept

N900040100

Setup Start *NS1*

Revision ID:

Item Name: Engine Wash

Stop *NS2*

Start Date: 7/24/2015 Start Qty: 1.00

1

Cust Item ID:

Required Date: 8/7/2015 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: SA Date: 20150724

Tooling:

Date:

Run Start *NR1*

QC: Date: SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
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IIN-D139-799	I
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JA

100

Document Control

0.00

100

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D139-799-015
CHG005

DAS
38
9-89

15-08-17

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

① JA

JUL 27 2015



120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS
38
9-89

15-08-17

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			OTHER : ☐	

Work Order ID 135011

July 24, 2015 7:53:17 AM

135011

Page 2

Item ID: D139-799-015

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Engine Wash

Stop

NS2

Start Date: 7/24/2015 Start Qty: 1.00

1

Cust Item ID:

Required Date: 8/7/2015 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start

NR1

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D139-799-015								
	Location: <u>6A</u> <u>Ship</u>								
	PPP rev: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

AUG 17 2015

AUG 17 2015

MCS

MUF
15-8-17

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			OTHER : ☐	

Picklist Print

July 24, 2015 7:53:41 AM

Page 1

Work Order ID: 135011

135011

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 7/24/2015

Required Date: 8/7/2015

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev:B 11.07.04 new issue DD verf:JLM
 AS PER ECN 11-598 11-06-05 JLM VERF BY:DD IPP Rev:C 11.09.27
 PER CHG003 DD verf:EC IPP Rev:D 13.09.24 PER
 CHG005/ECN13-579 DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

MS21919-WDG9

Purchased

No

Each

88.0000

20

MS21919-WDG9

Clamp

DAS
38
9-89

Location

Loc Qty

Loc Code

ST273A

-12

m132344

-12

ST297

100

m132344

100

20

D4121-1

Manufactured

No

110

Each

4.0000

2

2

D4121-1

Hose Assy

DAS
38
9-89

Location

Loc Qty

Loc Code

FG

3

114101

1

132053

2

ST214

1

132053

1

B13S013

2

JUL 27 2015

DAS
6
9-89

DAS
6
9-89

Picklist Print

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Page 2

Work Order ID: 135011

Parent Item: D139-799-015

Parent Item Name: Engine Wash

135011

D139-799-015

Start Date: 7/24/2015

Required Date: 8/7/2015

Start Qty: 1.00

Required Qty: 1.00

D4121-3 Manufactured No

110 Each

6.0000

1 1

D4121-3

Hose Assy

DAS
38
9-89

**

JA

Location

Loc Qty

Loc Code

FG

1

91535

1

ST213

3

132142

3

ST214

2

129024

2

D4121-5 Manufactured No

110 Each

7.0000

1 1

D4121-5

Hose Assy

DAS
38
9-89

**

JA

Location

Loc Qty

Loc Code

ST214

7

129025

1

132143

6

D4131-041 Manufactured No

110 Each

2.0000

1 1

D4131-041

Manifold Assembly

DAS
38
9-89

**

JA

Location

Loc Qty

Loc Code

ST093

2

129029

2

D4131-043 Manufactured No

110 Each

4.0000

1 1

D4131-043

Doubler Assembly

DAS
38
9-89

**

JA

JUL 27 2015

Location

Loc Qty

Loc Code

ST093

4

129028

4

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Shop Packet Print

Page 2

Picklist Print

July 24, 2015 7:53:42 AM

Page 3

Work Order ID: 135011

135011

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 7/24/2015

Required Date: 8/7/2015

Start Qty: 1.00

Required Qty: 1.00

D4146-1

Manufactured No

110 Each

16.0000

2 2

D4146-1

DAS
38
9-89

** JA

Fitting

Location

Loc Qty

Loc Code

ST093

16

132333

16

2

D4182-1

Manufactured No

110 Each

6.0000

2 2

D4182-1

DAS
38
9-89

** JA

Fitting, Quick Disconnect

Location

Loc Qty

Loc Code

ST097

6

132143

6

2

D4384-1

Manufactured No

110 Each

15.0000

1 1

D4384-1

DAS
38
9-89

** JA

Placard

Location

Loc Qty

Loc Code

FG

5

80679

5

ST103

10

133324

10

1

AN526-1032R16

Purchased No

110 Each

36.0000

4 4

AN526-1032R16

DAS
38
9-89

** JA

Screw

Location

Loc Qty

Loc Code

ST326

36

m130928

36

4

DAS
6
9-89

DAS
6
9-89

DAS
6
9-89

DAS
6
9-89

114 27 2015 JUL 27 2015

Picklist Print

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Work Order ID: 135011

135011

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 7/24/2015

Required Date: 8/7/2015

Start Qty: 1.00

Required Qty: 1.00

AN832-6J

Purchased

No

110

Each

9.0000

2 2

AN832-6.J

DAS
38
9-89

**

JA

Union

Location

Loc Qty

Loc Code

ST324

9

m132189

4

m132803

5

2

AN924-6J

Purchased

No

110

Each

10.0000

4 4

AN924-6.J

DAS
38
9-89

**

JA

13293062

NUT

Location

Loc Qty

Loc Code

FG

2

123245

2

ST322

8

m132256

8

2

NAS1149C0932R

Purchased

No

110

Each

63.0000

4 4

NAS1149C0932R

DAS
38
9-89

**

JA

WASHER

Location

Loc Qty

Loc Code

ST271

63

m131026

63

4

5.0 PARTS LIST

Qty -011	Qty -012	Qty -015	Qty -017	Qty -019	Qty -112	Part Number	Description
X						D139-799-011	MAINTENANCE STEP KIT, LH
	X					D139-799-012	MAINTENANCE STEP KIT, RH
		X				D139-799-015	ENGINE WASH KIT
			X			D139-799-017	CARGO FLOOR PROTECTOR KIT
				X		D139-799-019	CABIN FLOOR PROTECTOR KIT
					X	D139-799-112	MAINTENANCE STEP WITH GRAB BAR KIT, RH
			2			D3580-1	JOGGLE BRACKET
			2	8		D3628-1	CUPPED WASHER
1						D4092-041	MAINTENANCE STEP ASSEMBLY
	1					D4092-042	MAINTENANCE STEP ASSEMBLY
		2				D4121-1	HOSE ASSEMBLY
		1				D4121-3	HOSE ASSEMBLY
		1				D4121-5	HOSE ASSEMBLY
				1		D4130-1	FWD CABIN FLOOR PROTECTOR
				1		D4130-3	AFT CABIN FLOOR PROTECTOR
			1			D4130-5	FWD CARGO FLOOR PROTECTOR
			1			D4130-7	CENTER CARGO FLOOR PROTECTOR
			1			D4130-9	AFT CARGO FLOOR PROTECTOR
		1				D4131-041	MANIFOLD ASSEMBLY
		1				D4131-043	DOUBLER ASSEMBLY
		2				D4146-1	FITTING
			1			D4153-1	JOGGLE BRACKET
			1			D4153-3	JOGGLE BRACKET
				4		D4153-5	CLAMP PLATE
			2			D4166-1	PLACARD, MAX LOAD
		2				D4182-1	FITTING, QUICK DISCONNECT
		1				D4384-1	PLACARD
					1	D4526-042	MAINTENANCE STEP ASSEMBLY, RH
2	2				2	AN6H12A	BOLT
2	2				2	AN6H13A	BOLT
		4				AN526-1032R16	SCREW
		2				AN832-6J	UNION
		4				AN924-6J	NUT
		20				MS21919WDG09	CLAMP
6	6				6	NAS1149D0663J	WASHER (or AN960JD616)
		4				NAS1149C0932R	WASHER (or AN960C916L)

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Revision: I

Date: 14.03.06